

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"5890125".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 10:45
S2	10	("10/678222" "09/289865" "10/652397" "09/665775" "10/042880" "10/152159" "10/695246" "10/558246")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 09:05
S3	10	(S1 or S2) and ((speech or audio or voice) with (process\$3 or reproduc\$4 or synthesis or record\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:05
S4	2	(S1 or S2) not S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 09:58
S5	7	(S3 or S4) and (gain with (factor or adjust\$4 or apply\$3 or function or calculat\$3 or generat\$3) with (signal or frequency or amplitude or magnitude or level or voic\$3 or unvoic\$3 or vocal\$3 or vowel\$3 or consonant))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:07
S6	6	S5 and noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:04
S7	3	S5 and (voic\$3 or unvoic\$3 or vocal\$3 or vowel\$3 or consonant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:38

## EAST Search History

S8	3	S6 not S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:05
S9	1	S5 not S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:38
S10	2	"5459813".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 10:47
S11	1379	((speech or audio or voice) with (process\$3 or reproduc\$4 or synthesis or record\$4)) and (gain with (factor or adjust\$4 or apply\$3 or function or calculat\$3 or generat\$3) with (voic\$3 or unvoic\$3 or vowel or consonant or vowellic or vocalic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:45
S12	142	S11 and 704/208,214,225,226. ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:53
S13	90	S12 and ((increas\$3 or amplif\$4 or augment\$3 or rais\$3 or boost or magnif\$7) with (magnitude or amplitude or level or dB or decibel or input or range))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:48
S14	21	S12 and ((increas\$3 or amplif\$4 or augment\$3 or rais\$3 or boost or magnif\$7) with (magnitude or amplitude or level or dB or decibel or input or range) with gain with (voic\$3 or unvoic\$3 or vowel or consonant or vocalic or vowellic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:48

## EAST Search History

S15	69	S13 not S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:35
S16	131	((speech or audio or voice) with (process\$3 or reproduc\$4 or synthesis or record\$4)) and (gain with (factor or adjust\$4 or apply\$3 or function or calculat\$3 or generat\$3) with (voic\$3 or vowel or vowellic or vocalic) with (unvoic\$3 or consonant))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:46
S17	68	S16 and ((increas\$3 or amplif\$4 or augment\$3 or rais\$3 or boost or magnif\$7) with (magnitude or amplitude or level or dB or decibel or input or range))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 11:48
S18	11	S16 and ((increas\$3 or amplif\$4 or augment\$3 or rais\$3 or boost or magnif\$7) with (magnitude or amplitude or level or dB or decibel or input or range) with gain with (voic\$3 or vowel or vocalic or vowellic) with (consonant or unvoic\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:35
S19	247	((enhanc\$3 or increas\$3 or improv\$3) with (quality or intelligibility or recognition or hearing) with (audio or speech or voice)) and (gain with (vowel or vocalic or vowellic or voic\$3 or sonorant) with (consonant or unvoic\$3 or "non-sonorant"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:38
S20	8	S19 and ((increas\$3 or amplif\$4 or augment\$3 or rais\$3 or boost or magnif\$7) with (magnitude or amplitude or level or dB or decibel or input or range) with gain with (voic\$3 or vowel or vocalic or vowellic or sonorant) with (consonant or unvoic\$3 or "non-sonorant"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:36

## EAST Search History

S21	239	S19 not S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:38
S22	166	S11 and 704/1,200,500,503,208, 214,225,226.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:54
S23	24	S22 not S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 12:58
S24	598	S11 and (6dB or 10dB or 15dB or 30dB or S12 dB or 3dB or 1ms or 5ms)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 13:00
S25	0	S24 and ((6dB or 12dB or 3dB) with (10dB or 15dB or 30dB))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 13:02
S26	0	S24 and ((6dB or 12dB or 3dB) with (10dB or 15dB or 30dB or 20dB or 25dB))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 13:03
S27	1	S24 and ("10/152159" or "10/678222" or "09/289865" or "5890125".pn. or "5215085".pn. or "4630305".pn. or "4593696". pn.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:02

## EAST Search History

S28	1	10/736939	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/27 14:02
S29	2	"4630305".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 09:05
S30	10	("10/678222" "09/289865" "10/652397" "09/665775" "10/042880" "10/152159" "10/695246" "10/558246")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 10:45
S31	4	S30 and (noise with gain)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/28 10:45